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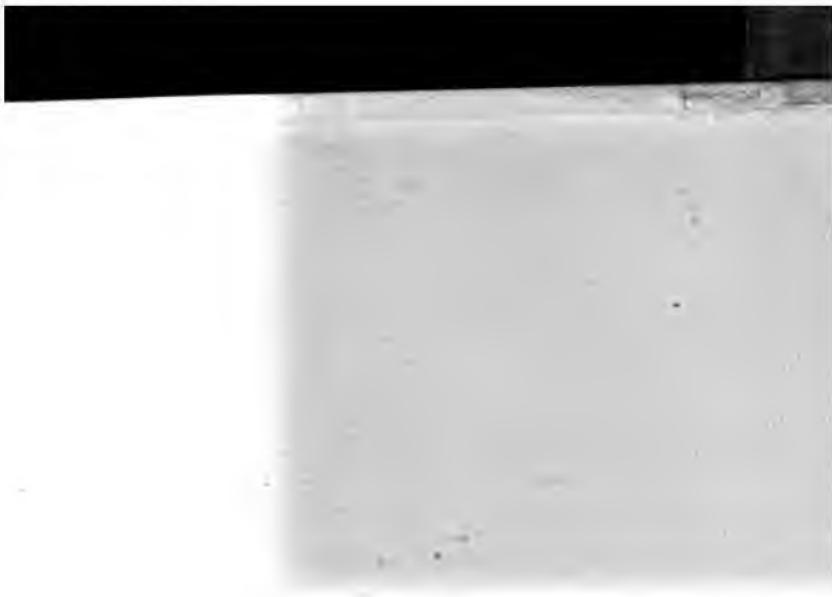
AUTOMOBILES

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Automobile Industry in Detroit

(Including manufacture of bodies and parts)

THE AUTOMOBILE INDUSTRY had its rise in Detroit during the closing years of the nineteenth century, but it did not assume sufficient magnitude to be accorded a separate classification in the United States census of 1900.

The following schedule attempts to show the amazing growth of the automobile industry of Detroit in comparison with that of the country at large. The figures for 1915 and for 1916 are taken from estimates furnished by the National Automobile Chamber of Commerce and by the Detroit Board of Commerce. The other statistics are quoted from such well-known sources for information of this character as the United States census reports, Statistical abstract, etc.

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AUTOMOBILES

Cyclopedias and Dictionaries

American cyclopedia of the automobile; or, Motor cars and motoring self-taught. 1909. 6v. R625.1 A5

Automobile trade directory; a classified trade directory of the automobile and commercial vehicle industries. 1912-13. R625.1 A8t

Library has v. 10, no. 3-4; v. 11, no. 1, 3.

Clough, A. L. A dictionary of automobile terms. 1913. R625.1 C62d

Cyclopedia of automobile engineering; a general reference work on the construction, operation, and care of gasoline, steam, and electric motor cars, instruction in driving, gas and oil engines, storage batteries, electric motors, steam boilers, and engines. 1909. 4v. 625.1 C99

Dyke, A. L. Dyke's automobile and gasoline engine encyclopedia. 1915. R625.1 D9ac

Contains 319 charts with a dictionary and index treating on the construction, operation and repairing of automobiles and gasoline engines.

Izart, J. Dictionnaire et vocabulaire de l'automobile, français, allemand, anglais, italien. 1907. R625.1 I98

Krausz, Sigmund. Krausz' practical automobile dictionary; English-French-German, French-English-German, German-French-English. 1906. R625.1 K86p

Urtel, Rudolf, ed. Motorfahrzeuge. 1910. R603 D37
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General

Armstrong, John. The motor; an interesting practical work of original information and reference for owners and makers of motor-cars. 1912. 625.1 A66ma

Brennan, A. L., Jr. Automobile operation. 1914. 625.1 B74

Very plain directions and hints for the operation of the automobile, addressed to the average operator by an experienced practical man. Not illus.

Hobbs, G. W. The gasoline automobile. 1915. 625.1 H65

Kennedy, Rankin. The book of the motor car; a comprehensive and authoritative guide on the care, management, maintenance, and construction of the motor car and motor cycle, with many hundred illus. 1913. 625.1 K38b

Lloyd, H. D. Care and repair of automobiles. 1915. 625.1 L77

McMillan, Duncan. The motor car. 1915. 625.1 M22
157 page illus. diagrams. (Longmans' technical handicraft series.)

Newmark, J. H. Automobile business; a guide: helpful, inspirational, and suggestive. 1915. 625.1 N46

Pagé, V. W. Automobile repairing made easy. 1915. 625.1 P15a9

Pierce, Franklin. Motor car anatomy; being a book of valuable information for the prospective purchaser of an automobile. 1912. 625.1 P6m

Thomas publishing co., N. Y. All about automobiles. 1912. 625.1 T35a
For the information of intending buyers. Principally a list of cars sold in the United States with statistical information regarding each.

U. S. Bureau of foreign and domestic commerce (Dept. of commerce and labor). . . . Development of motor-vehicle trade abroad. 1913. U.S.93 M3Cb 59

—(Dept. of Commerce). . . . Foreign import duties on motor vehicles and accessories. Rev. to Nov. 1914. L. Domeratzky, chief of Division of foreign tariffs. 1914. U.S.93 M3t 30
Tables preceded by 7 pages of introduction dealing with sur-taxes, dutiable value, dutiable weight, discrimination, classifica-tion, etc.

U. S. Bureau of manufactures (Dept. of commerce and labor). . . . Foreign markets for motor vehicles. 1912. U.S.93 M3Cb 53

Verrill, A. H. A-B-C of automobile driving. 1916. 625.1 V61

—Harper's gasoline engine book. 1914. 621.4 V6h

Wimperis, H. E. The principles of the application of power to road transport. 1913. 625.1 W72

Construction and Design

Butler, H. J. Motor bodies and chassis; a text-book dealing with the complete car, for the use of owners, students, and others. 1912. 625.1 B97m

Clark, A. G. Text book on motor car engineering. 1911. 625.1 C55t

Cutler-Hammer mfg. co. Milwaukee. Gear shifting by electricity. 1914. 625.1 C97
Explains the construction of the Vulcan Electric gear shift and its application to the motor car.

Duryea, C. E. The automobile book; a practical treatise on the construction, operation, and care of motor cars propelled by gasoline engines; with full explanations of all the essential parts. 1916. 625.1 D897

Engineering standards committee, Lond. Report on British standard threads, nuts, and bolt heads for use in automobile construction. 1911. 625.1 E53r

Flanders, R. E. Construction and manufacture of automobiles. 1910. 625.1 F6c

Hayter, G. W. Motor-car mechanics for beginners; an A. B. C. of automobile construction. 1912. 625.1 H33m

Heldt, P. M. The gasoline automobile; its design and construction. 1913. 625.1 H36g
Contents: v. 1 The gasoline motor—v. 2 Transmission, running gear and control.

Kean, F. J. Petrol engine. 1915. 621.4 K19

Machines, tools, and methods of automobile manufacture. 1910. 625.1 M18
Contents: Organization and equipment of an automobile factory, by C. B. Owen—Machines and tools for automobile manufacture, by C. B. Owen—System for the rapid assembly of motor cars, by H. W. Slauson—Treatment of gears for automobiles, by H. W. Slauson.

Page, V. W. The model T Ford car; its construction, operation, and repair. 1915. 625.1 P15
"An extended exposition of principles as stated in the Ford Company's instruction book and a more detailed discussion of the points involved in maintenance and repair. Thoroughly illus."—N. Y. Pub. Lib., New Tech. Bks., 1915.

—Modern gas tractor; its construction, utility, operation, and repair. 1914. 621.4 P14m

—The modern gasoline automobile; its design, construction, maintenance, and repair. 1915. 625.1 P15ma

Handbooks

American School of Correspondence (Chic.). Operation of automobiles; a handbook on driving, troubles, and home repairs, by M. A. Hall. 1912. 6

Car handbook; a guide to the motor car. 1912. 62

Ford, J. S. V. Faults and how to find them or failures and their remedies fully explained. 62

h, C. E. Audels automobile guide, with questions and illustrations, for owners, operators, n. 1915. 625.1

er, R. W. A. Motor car construction. 1912. 625.1

Contains notes on wind resistance and body design.

ea, L. E. The automobile handbook. 1913. 625.1

New edition is revised and enlarged by Calvin F. Sw other experts.

ig, H. C. Electric

Pagé, V. W. Questions and answers relating to modern automobile design, construction, driving and repair. 1913. 625.1 P15q

"Includes digest of motoring laws, many illustrations and diagrams and full index."—*A. L. A. Bkl.*, 10:317.

Pedretti, Garibaldi. Manuale completo del meccanico "chauffeur." 1916. 625.1 P33

Russell, T. H. Questions and answers for automobile students and mechanics. 1911. 625.1 R9q

Swingle, C. F. Automobile catechism and repair manual. 1914. 625.1 S86a2

Motor Cycles

Davies, B. H. The modern motor-cycle, how to run, ride, and repair it. 1915. 625.1 D29

Jackman, W. J. A B C of the motorcycle; text and illus. that make the mechanism and operation of the machine clear to those directly and indirectly interested. 1910. 625.1 J12a

Lake, C. S. The motor cyclist's handbook; a practical manual on the construction and management of motor cycles. 1911. 625.1 L15m

Pagé, V. W. Motor cycles, side cars, and cycle cars. 1914. 625.1 P15m8

"A very complete and well illustrated text dealing chiefly with the gas engine as applied to these vehicles."

Whitman, R. B. Motor-cycle principles and the light car, with explanations of the construction and operation of those parts of motor cycles, cycle cars, and the Ford car that differ from automobile practice. 1914. 625.1 W6m8

Ignition Devices and The Electric Automobile

Avery, A. H. Dynamo and electric motor building. 621.33 A95

Booth, C. E. Starting and lighting of automobiles. 1915. 625.1 B64s

Bottone, S. R. Ignition devices for motors. 1910. 625.1 B65i

Codd, M. A. Dynamo lighting for motor cars. 1914. 625.1 C65a

Hibbert, Walter. Magneto and electric ignition. 1912. 621.4 H49

Page, V. W. Starting, lighting, and ignition systems. 1916. 625.1 P15s

Timbie, W. H. Alternating-current electricity and its applications to industry. 1914. 537 T48a
This first course "includes the general introduction, a description and study of the fundamental principles, and the application of each principle to all the important departments of electrical engineering practice."—*A. L. A. Blk*, May, 1916.

—Essentials of electricity. 1914. 537 T48e7
"It attempts to explain the underlying facts and laws of good electrical practice which the really well informed and efficient workman must understand, rather than to provide book descriptions of mechanical operations of the electrical trades, which can be really learned only through continued practice in their performance."—*Preface*.

Wadsworth, C., jr. Primary battery ignition. 1912. 625.1 W12p

Woods, C. E. Electric automobile; its construction, care, and operation. 1900. 625.1 W86e

Military Motors

U. S. War college division. Motor transport in campaign. Prepared by the War college division, General staff corps, as a supplement to the Statement of a proper military policy for the United States. 1916.

Wyatt, H. M. Motor transports in war. 1914. 625.1 W97
Shows by illustrations and text all the uses to which motors have been put in the present war, and the improvements and adaptations which necessity demanded.

Road Guides

American automobile association. "Lakes-to-Gulf tour"; north and south middle west automobile route. 1912. R910.21 A51

Points touched: Detroit—Indianapolis—Louisville—Nashville—Memphis—Jackson—Vicksburg—Baton Rouge—New Orleans.

Automobile Official . . . blue book. 1915. 6v. R910.21 A94a
Contents: v. 1. New York and Canada—2. New England and eastern Canada—3. New Jersey, Pennsylvania and the South—4. The middle western states—5. Mississippi River to the Pacific coast—6. Pacific coast.

—**Official . . . blue book.** 1916. 6v. R910.21 A94b
Contents: v. 6. Southeastern states.



"The Car" road book and guide, an encyclopedia of motor-ing; chiefly compiled by the touring department of
"The Car." 1914. R910.21 C17

Home, G. C. and Ashdown, C. H. The motor routes of
England. 1911. 910.21 E5Hmw

Especially the western section of England.

Lincoln highway association. The complete official road
guide of the Lincoln highway. 1916. R910.21 L63

Scarborough co., Indianapolis. Scarborough's road map
and motor guide of Michigan. 1914. R910.21 S17a

Published under the direction of the Wolverine automobile
club of Detroit, Michigan.

The scenic New England tour book, covering only the
recommended routes and tours in the New England
states, the Adirondacks and Harlem Valley. 1911.
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Stevens, G. H. Transcontinental trip in a Ford, from
Lead, Black Hills, S. Dakota, to Detroit, Mich., May 25,
1915-Aug. 3, 1915. 910.21 U6S

Webber, G. D. The best motor routes through Europe; a
practical guide for the automobilist touring continental
Europe. 1913. R910.21 W38b

Laws and Regulations

Abbott, T. O. Road rights of motorists, containing the
rules of the road and the automobile laws of all states.
1910. R625.1 A12r

Michigan. Laws, statutes, etc. Michigan motor vehicle
law; comp. by secretary of state. 625.774m
Library has issues for 1910—, 1916.

Motor vehicle registrations and revenues, 1914. Prepared
by Division of road economics, Office of public roads,
February, 1915. U.S.8 A1Cir 49

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Auto Era. Published by the Winton motor co., Detroit.

Autocar.

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Automobile dealer and repairer.

nes. Published by the ~~Automobile~~
is Age.

Age.

Cycle Illustrated.

The. Published by the Packard motor co.
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Wagon.

of Automobile Engineers. Bulletin.

of Automobile Engineers. Transactions.

Published by the Timken Detroit ax-
le co.

News. Published by the Federal truck co., I